

D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1.

QUESTION BANK

SEMESTER I - (ODD SEMESTER)

LIFE AND DIVERSITY OF INVERTEBRATES (16CPZO1A)

UNIT-I SECTION-A 6 Marks

1. Explain about the broad classification of animal kingdom
2. Give a note on affinities and phylogeny of invertebrates with example.
3. Discuss about the feeding of protozoa.
4. Explain about the economic importance of protozoa.
5. Give a detailed account on freshwater sponges.

SECTION-B 15 Marks

1. Discuss in detail about the reproduction of protozoa
2. Give a detailed account on the theories of metazoa.
3. Explain about the reproduction in sponges.

UNIT-II SECTION-A 6 Marks

1. Write about the origin of coelenterates.
2. Give a brief description on corals.
3. Discuss about the structural peculiarities of cyclostomes.
4. Explain about the polymorphism in coelenterates
5. Give a detailed account on reproduction of hydra.

SECTION-B 15 Marks

1. Discuss in detail about the functional morphology of helminthes.
2. Give a detailed account on human helminth disease.
3. Explain about the coral reefs.

UNIT-III SECTION-A 6 MARKS

1. Write about Archiannelida
2. What are the classes of Annelida? Explain
3. Write a note on metamerism
4. Explain the phylogeny of Arthropoda

5. Describe the economic importance of crustacea.

SECTION-B 15 Marks

1. Explain in detail on origin and evolution of coelom
2. Explain the affinities of Xiphosura
3. Describe about the larval forms of crustacea

UNIT-IV 6 Marks

1. Discuss about the phylogeny of mollusca.
2. Write about the adaptive radiation of mollusca
3. Describe about the evolution of echinoderms
4. Give an account on the evolution of echinodermata

SECTION-B 15 Marks

5. Discuss in detail about the torsion in gastropoda
6. Give a detailed account on the echinoderm larvae

UNIT-V SECTION-A 6 Marks

1. Discuss about the affinities of rotifera.
2. Discuss the structural peculiarities of rotifera.
3. Explain about the affinities of nemertinea

SECTION-B 15 Marks

1. Write a detailed account on trilobites
2. Give a note on Brachiopoda.